

Pub E1

~~a client requesting notification of the specific change in the system;
detecting the specific change in the system; and
notifying the client requesting notification only that the specific change in
the system occurred.~~

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~~2. (Unchanged) The method of claim 1 further comprising:
maintaining a list of requests for notification.~~

~~3. (Unchanged) The method of claim 1 further comprising:
the client terminating a request for notification.~~

~~4. (Unchanged) The method of claim 2 further comprising:
the client terminating a request for notification;
and removing a request corresponding to the client from the list of requests for
notification.~~

5. (Amended) The method of claim 1 wherein:
the specific change in the system is connection of a device.

6. (Amended) The method of claim 1 wherein:
the specific change in the system is disconnection of a device.

7. (Unchanged) The method of claim 1 wherein:
said requesting includes the client supplying a callback routine; and
said notifying includes executing the callback routine.

8. (Twice Amended) A subsystem for notifying clients of a specific change
in a system comprising:

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means for a client to request notification of the specific change in the system; means for detecting the specific change in the system; and means for notifying the client requesting notification only that the specific change in the system occurred.

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9. (Unchanged) The subsystem of claim 8 further comprising:
means for maintaining a list of requests for notification.

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10. (Unchanged) The subsystem of claim 9 further comprising:
means for the client to terminate a request for notification; and
means for removing a request corresponding to the client from the list of requests for notification.

11. (Unchanged) The subsystem of claim 10 further comprising:
means for communication to the client; and
wherein:
the client supplies the means for communication; and
the means for communication is utilized by the means for notifying.

12. (Twice Amended) A machine-readable medium containing a plurality of executable instructions, which when executed on a processor cause said processor to perform a method of notifying clients of a specific change in a system, the method comprising:

a client requesting notification of the specific change in the system;
detecting the specific change in the system; and
notifying the client requesting notification only that the specific change in the system occurred.

~~13. (Unchanged) The machine-readable medium of claim 12 wherein the method further comprises:~~

~~maintaining a list of requests for notification.~~

~~method further comprises:~~

~~the client terminating a request for notification;~~

~~and removing a request corresponding to the client from the list of requests for notification.~~

~~15. (Unchanged) The machine-readable medium of claim 14 wherein:
said requesting includes the client supplying a callback routine; and
said notifying includes executing the callback routine.~~

~~16. (Twice Amended) A system comprising:~~

~~a processor;~~

~~a memory;~~

~~a bus, the bus coupled to the processor, the bus coupled to the memory;~~

~~and~~

~~the processor processing a request by a client for notification of a specific change in the system, the processor detecting the specific change in the system, and the processor notifying the client only that the specific change in the system has occurred.~~

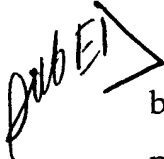
~~17. (Unchanged) The system of claim 16 wherein:~~


~~the processor maintains a list of requests for notification.~~

~~18. (Unchanged) The system of claim 17 wherein:~~

~~the processor stores the list of requests in memory.~~

~~19. (Unchanged) The system of claim 17 wherein:~~

Pub E1  the processor processes the client's termination of a request for notification by removing a request corresponding to the client from the list of requests for notification.


2  20. (Unchanged) The system of claim 19 wherein:
the processor receives a callback routine from the client when the client requests notification and the processor notifies the client by executing the callback routine.

21. (Three Times Amended) A method of notifying clients of a specific change in a Universal Serial Bus (USB) comprising:
a first client requesting notification of a first specific change in the USB;
detecting the first specific change in the USB; and
notifying the first client requesting notification only that the first specific change in the USB occurred.

22. (Amended) The method of claim 21 wherein:
the first specific change is connection of a device to the USB;
and further comprising:
finding a driver suitable for use with the device.

23. (Amended) The method of claim 21 wherein:
the first specific change is disconnection of a device from the USB;
and further comprising:
deactivating a driver corresponding to the device.

24. (Amended) The method of claim 21 further comprising:
a second client requesting notification of a second specific change in the USB; detecting the second specific change in the USB; and

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~~notifying the second client requesting notification that the second specific change in the USB occurred.~~

25. (Amended) The method of claim 24 wherein:
a change in the USB constitutes a first specific change and constitutes a second specific change.

26. (Amended) The method of claim 24 wherein:
a change in the use that constitutes a first specific change does not constitute a second specific change.
